

11-23-01

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PATENTS, TRADEMARKS, COPYRIGHTS

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BOX PATENT APPLICATION

Commissioner for Patents
Washington, D.C. 20231

UTILITY PATENT APPLICATION TRANSMITTAL
FILED UNDER 37 C.F.R. §1.53(b)

Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): **David M. Baylon, Joseph Diamand, Rajeev Gandhi, Limin Wang and Ajay Luthra**

Title: **APPARATUS AND METHODS FOR IMPROVING VIDEO QUALITY DELIVERED
TO A DISPLAY DEVICE**

APPLICATION ELEMENTS:

- (1) ☒ Patent Application Specification, including Abstract and claims - 26 pages
(2) ☒ Two (2) sheets of formal drawings, together with transmittal letter
(3) ☒ A check in the amount of \$942 to cover the ☒ filing fee (\$902.00) and/or
☒ Assignment Recordal Fee (\$40) is enclosed.
- ☐ Before calculating the fee, cancel claim(s)
☐ Before calculating the fee, see copy of Preliminary Amendment filed in parent application _____ (attached hereto.)

Basic Fee							\$	740.00
Multiple Dependent Claims (\$260.)								
Foreign Language Surcharge (\$130.)								
	For	No. Filed	-	No. Extra		Rate		
EXTRA	Total Claims	29	20	9	x	\$18.	=	\$ 62.00
CLAIMS	Independent Claims	3	3	0	x	\$84.	=	\$ 0.00
TOTAL FILING FEE							=	\$ 902.00

- ☒ The Commissioner is hereby authorized to charge any deficiency in the payment of the required fee(s) or credit any overpayment to Deposit Account No. 50-0625.

11046 U.S. PTO
09/990534
11/21/01

11/21/01
11129 U.S. PTO

09990534-11129-11/21/01

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Commissioner for Patents
Page 2 of 3

- (4) ☒ Declaration and Power of Attorney form -- 3 pages
a. ☒ Newly executed
b. ☐ Copy from a prior application
c. ☐ Deletion of inventor(s) -- signed statement attached deleting inventor(s) named in the prior application.
- (5) ☐ Small Entity Status

ACCOMPANYING APPLICATION PARTS:

- (6) ☒ Assignment document
a. ☒ Newly executed (with \$40.00 recordal fee) and separate transmittal Form PTO-1595
b. ☐ Copy from a prior application
c. ☒ Please include assignee information when this application is published
Assignee: General Instrument Corporation
101 Tournament Drive
Horsham, PA 19044
- (7) ☐ Preliminary Amendment
- (8) ☐ Certified Copy of Priority Document, together with separate transmittal letter
- (9) ☐ Information Disclosure Statement, together with PTO Form 1449 and copies of cited references
- (10) ☒ Return receipt postage prepaid postcard
- (11) ☒ Express Mail Certificate (Mailing Label No. EV 046686761 US)
- (12) ☒ Patent Application Data Entry Form
- (13) ☐ Other:
a. ☐

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- (14) [] If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)
of prior application no.:

Prior application information:

Examiner: _____ Group/Art Unit: _____

Status: _____

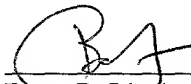
FOR CONTINUATION or DIVISIONAL APPLICATIONS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under paragraph 4(b) above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

- (15) [] Please amend the specification by inserting before the first line the sentence:

- (16) [] This application claims the benefit of _____ Patent Application
No. _____ filed on _____.

- (17) [X] Correspondence address:
Barry R. Lipsitz
Law Offices of Barry R. Lipsitz
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Monroe, CT 06468
Telephone: (203) 459-0200

Respectfully submitted,



Barry R. Lipsitz
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ATTORNEY DOCKET NO.: GIC-635
Date: November 21, 2001

Figure 6. The effect of the number of iterations on the accuracy of the proposed algorithm. The figure shows the accuracy of the proposed algorithm as a function of the number of iterations for different values of the parameter α . The x-axis represents the number of iterations (from 0 to 100), and the y-axis represents the accuracy (from 0.8 to 1.0). The legend indicates four cases: $\alpha = 0.01$, $\alpha = 0.05$, $\alpha = 0.1$, and $\alpha = 0.5$. All curves show an increasing trend in accuracy as the number of iterations increases, with higher values of α generally resulting in higher accuracy.

In re Application of:

Baylon et al.

Application No.:

Filed: Herewith

For: APPARATUS AND METHODS FOR IMPROVING VIDEO
QUALITY DELIVERED TO A DISPLAY DEVICE

Commissioner for Patents
Washington, D.C. 20231

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail (No EV 046866761 US) addressed to BOX PATENT APPLICATION, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202 on November 21, 2001

By:

Carol Prentice

Dear Sir:

Enclosed are two (2) sheets of formal drawings for filing in the above-referenced patent application.

Please advise the undersigned attorney if correction is necessary.

Respectfully submitted,

Date: November 21, 2001

ATTORNEY DOCKET NO.: GIC-635

Barry R. Lipsitz

Attorney for Applicant(s)

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Monroe, CT 06468

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Baylon et al.)
)
Application No.:)
)
Filed: Herewith)
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Commissioner for Patents
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EXPRESS MAIL CERTIFICATE

"Express Mail" mailing label number: **EV 046686761 US**
Date of Deposit: **November 21, 2001**

I hereby certify that the attached:

- ☒ [x] Check in the amount of \$942 (Filing fee (\$902) and recordal fee (\$40));
- ☒ [x] Return receipt postage prepaid postcard;
- ☒ [x] Transmittal letter for new patent application;
- ☒ [x] Patent Application Specification, **including Abstract and Claims** (26 pages);
- ☒ [x] Two (2) sheets of formal drawings, together with transmittal letter;
- ☒ [x] Declaration and Power of Attorney form;
- ☒ [x] Assignment, together with Form PTO-1595;
- ☒ [x] Patent Application Data Entry Form.

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: **BOX PATENT APPLICATION, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202.**

Carol Prentice
(Typed or printed name of person mailing paper or fee)

Carol Prentice
(Signature of person mailing paper or fee)

Respectfully submitted,

Date: **November 21, 2001**
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